

October 16, 2015

Ms. Christine Ritter, P.E.
Hydrogeologist
Division of Waste Management
NC Department of Environmental Quality
217 W. Jones Street
Raleigh, NC 27699

**RE: Financial Assurance Revision
Capital Materials & Recycling, LLC (Permit No. 35-05-TP-2014)
Franklinton, North Carolina**

Dear Christine:

On behalf of Capital Materials & Recycling, LLC (Capital), Smith Gardner, Inc. (S+G) is providing this request to revise the financial assurance for the above referenced facility. S+G conducted a site visit to the facility on October 9th to witness current operations and conditions to prepare this request. As you are aware, the site includes the former closed PIP LCID landfill and the prior operations by Organic Partners, LLC. Capital has since resumed operations and has made progress on cleaning up some of the past debris and unprocessed materials. An updated facility plan and proposed process boundaries has been provided as **Figure 1** (attached). Furthermore, an updated financial assurance estimate (**attached**) has been prepared to outline the activities subject to potential concern.

We note the particular area of concern as the unprocessed concrete debris pile located just outside the facility boundary along the southwest corner. Capital has committed to process this area by crushing and screening into a recycled concrete aggregate (RCA) material. In order to provide fair basis in the development of the estimate, we contacted the crushing contractor to confirm a prior estimate (**attached**). We have assumed that the (un-surveyed) concrete pile is on the order of 40,000 CY over 3.2 acres (based on readily available aerial data). Additionally, we have assumed an incoming average annual waste flow of 300 tons per day for the purposes of the estimate. We intend that this estimate provides a basis for either approval or further discussion, as necessary.

Water Well

In addition to the request above, a water well was identified as recently installed and proposed to support a mulch coloring operation within the central part of the facility. A copy of the well installation record is **attached**. However, S+G has requested additional information be provided for review regarding the proposed dyes utilized in the coloring operation. This information will be forthcoming and under separate cover.

Ms. Christine Ritter

October 16, 2015

Page 2 of 2

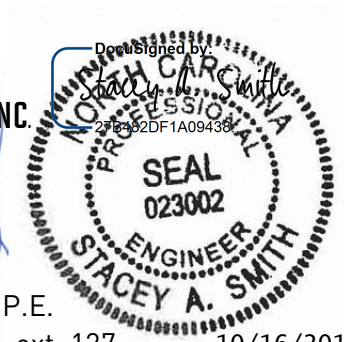
We appreciate the support and assistance of the Solid Waste Section in resolving this matter. Please feel free to contact us with comments or questions at (919) 828-0577 or by email below.

Sincerely,
SMITH GARDNER, INC.

Stacey A. Smith, P.E.

Project Manager, ext. 127

stacey@smithgardnerinc.com

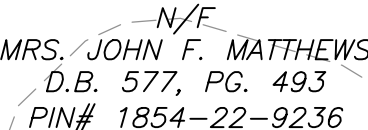


sas/sas

Att.

cc: James Adams, Capital
Mary Whaley, NCDEQ
Sara Rice, NCDEQ
File

H:\Projects\Capital Materials & Recycling (Franklin, NC)\Letter 10-12-15 (Financial Assurance Update).docx

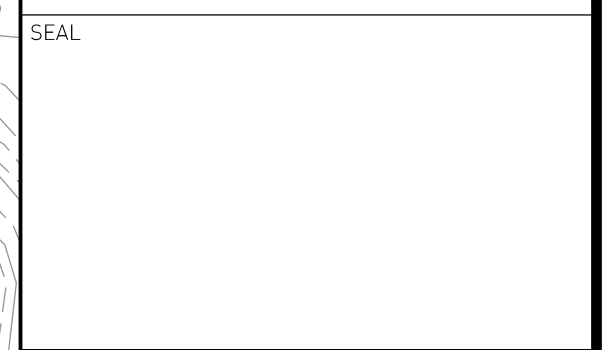


PREPARED BY:

NC LIC. NO. C-0828 [ENGINEERING]

SMITH+
GARDNER
ENGINEERS

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577



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DRAWING TITLE:

FACILITY PLAN

FIG.1



DATE: 16-Oct-15
BY: SAS

**Capital Materials & Recycling, LLC
Engineer's Closure Financial Assurance Estimate**

Item No.	Item Description	Unit	Contractor			Comments
			Quantity	Unit Price	Total Price	
<div>Facility Area (Horizontal Plan) -----> AC 11.2</div>						
1.0	Pre-Construction			Subtotal	\$11,200	
1.1	Construction Documents & Bidding	AC	11	\$1,000.00	\$11,200	S+G Estimate
2.0	Remedial Response Activities				\$203,100	
2.1	Surveys and Layout	AC	11	\$500.00	\$5,600	S+G Estimate
2.2	Mobilization, Demobilization, and Project Closeout	AC	11	\$500.00	\$5,600	S+G Estimate
2.3	Wash Down & Cleanup of the Recovery Area	DY	2	\$1,500.00	\$3,000	Assume single work crew per day.
2.4	Fencing & Concrete Barrier Protection	LF	100	\$15.00	\$1,500	Assume close process area and place concrete barriers across access road.
2.5	Excess Concrete Processing	CY	40,000	\$2.50	\$100,000	Cost to grind and process concrete by local crushing company and normalized to a volumetric price from provided \$5 per ton estimate.
2.6	Excess Land Clearing Processing	CY	15,000	\$4.00	\$60,000	Cost to grind and process woody debris by outside contractor assumed at \$750 per hour and at processing rate of 350 CY per hour.
2.7	Excess Unacceptable Wastes	TN	100	\$50.00	\$5,000	Assumed disposal at Franklin County Landfill with tipping fee of \$45 per ton and transportation at \$5 per ton.
2.8	Erosion & Sediment Control (grading, silt fence, maintenance, etc.)	AC	11	\$500.00	\$5,600	S+G Estimate
2.9	Revegetation	AC	11	\$1,500.00	\$16,800	S+G Estimate
3.0	Quality Assurance, Certification, & Deed Notation				\$3,000	
3.1	Engineering and Reporting	LS	1	\$2,500.00	\$2,500	S+G Estimate
3.2	Surveying and Deed Notation	LS	1	\$500.00	\$500	S+G Estimate
Remedial Response Estimate ----->			\$217,300			(2015\$)
10% Contingency ----->			\$21,730			
Total Estimate ----->			\$239,030			(2015\$)(See Notes 1 & 2)

Notes:

- All costs are presented in current dollars and should be increased at an inflation rate prescribed by the NCDENR Division of Waste Management per <http://portal.ncdeq.org/web/wm/sw/financialassurance> if additional review is not performed annually.
- This ESTIMATE has been prepared for financial assurance purposes only and shall not be considered a replacement for an actual bid from a licensed contractor and is considered acceptable within a +/- 10% of the Total Estimate value.

References:

- Facility Plan for Capital Materials and Recycling, LLC dated October 2015 by Smith Gardner, Inc.

 Denotes values calculated in spreadsheet.

PREMIER CUSTOM CRUSHING

Phone: (919) 604-7055 Fax: (919) 882-0952 P.O. Box 97623 Raleigh, NC 27624

April 10, 2015

Mr. James Adams

Capital Materials and Recycling
8310 Bandford Road
Raleigh, North Carolina 27615

We herein quote the following:

Premier to move in and crush, screen, and stockpile Recycled Concrete at your location

1) Cost to crush Concrete\$4.00 per ton

B) Premier will move materials to stockpile with loader. \$ 1.00 per ton

2) Pricing is good for crushing concrete to minus 1 ½ or minus 3 inch

3) We would be able to mobilize once current project is finished

4). Capital to provide water for dust suppression. Premier will provide portable water tank.

5) Weights will be determined by belt scale for payment under this agreement. Scale checks will be done upon move in and weekly checks to be supervised between the two parties

6.) Premier will work under CMR site safety practices.

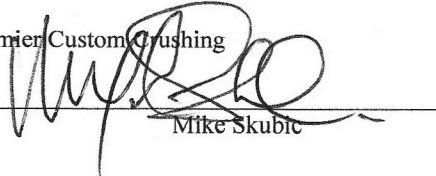
7.) Materials will be invoiced weekly with payment due upon receipt.

We thank you for the opportunity to work with your company.

Respectively Submitted:

Premier Custom Crushing

By


Mike Skubic

Accepted by: _____ Date: _____

Concrete Recycling - Recycled Asphalt - Natural Aggregates

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

London E. Phillips

Well Contractor Name

3441-A

NC Well Contractor Certification Number

N.W. Poole Well & Pump Co.

Company Name

2. Well Construction Permit #:

7958

List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):**Water Supply Well:**

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☒ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☐ Monitoring ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed:

3-31-15

5. Well Location:

Capital Materials

Facility/Owner Name

Facility ID# (if applicable)

2095 US Hwy 1

Physical Address, City, and Zip

Franklin

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
 (if well field, one lat/long is sufficient)

36°10'17.20" N 78°34'31.63" W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary**7. Is this a repair to an existing well:** ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed:

1

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface:

203.5

(ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing:

20

(ft.)

If water level is above casing, use "+"

11. Borehole diameter:

6

(in.)

12. Well construction method:

Rotary

(i.e. auger, rotary, cable, direct push, etc.)

13. FOR WATER SUPPLY WELLS ONLY:**13a. Yield (gpm)**

40

Method of test:

blown

13b. Disinfection type:

H+H

Amount:

20°2

For Internal Use ONLY:

Utter: Guff
Faced 4-2-15**14. WATER ZONES**

FROM	TO	DESCRIPTION
70 ft.	75 ft.	5 gpm 185 ft 170 ft 30 gpm
90 ft.	95 ft.	5 gpm

15. OUTER CASING (for artesian wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
1.5 ft.	50.5 ft.	6 in.	1/8"	galv

16. INNER CASING OR TUBING (geothermal closed loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	20 ft.	portland	poured
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	2 ft.	topsoil
2 ft.	37 ft.	sand & clay
37 ft.	95 ft.	sand stone & quartz
95 ft.	205 ft.	granite, (some pink granite)
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS:

used hardened steel drive shoe.

22. Certification:

Signature of Certified Well Contractor

3-31-15
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

24. Submittal Instructions:**24a. For All Wells:** Submit this form within 30 days of completion of well construction to the following:Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617**24b. For Injection Wells:** In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636**24c. For Water Supply & Geothermal Wells:** In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.